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We're passionate about supplying this vital safety information, which is why all these mobility scooter manuals are provided free of charge. Please choose from the following manufacturers: Shoprider Whisper Monaco Cameo Sunrunner Superlite Sovereign Deluxe Perez Altea Cadiz Cordoba Sprinter Milan Madrid Capri Napoli Paris Perrero Valencia Torino Traverso Mikra Grande Alcora Pride Libre Go Go ES8 Apex Finnese Apex Spirit Rally Hurricane Sonic Colt Pursuit Ranger Apex Rapid Apex Sprint Colt Plus Colt Maxima Colt Sport Apex Epic Quest Celebrity X Sport Celebrity X Celebrity Deluxe Revo Legend Classic Go Go Elite Traveller Go Go Elite Traveller Plus Go Go Elite Traveller LX Go Go Sport Colt Nine Colt Deluxe Colt Twin Colt Executive Colt Pursuit Colt ES-10 Go Go ES 10 User Manual Sunrise Medical Sterling Little Star Sterling Little Gem Stirling Little Gem 2 Sterling Diamond Sterling Emerald Sterling Sapphire 2 Sterling Pearl Sterling Sapphire Sterling Sapphire Ls Sterling Elite XS Sterling Sapphire LS2 Sterling Elite 2 PlusXS/RS Sterling Onyx Sterling Ruby Sterling Four sterling Four GL Sterling XL Sterling Four Elite S400 S425 S700 Sterling S425 Sterling Midi Roma Sorrento Granada Vegas Lyon Vegas 2 Electric Mobility Rascal Veo Veo x Vantage Vantage x Frontier Pioneer Ventura Vision 388 388Deluxe 388XL Rascal 850 Rascal 889 Rascal Liteway 3 Liteway Balance Plus Liteway 4 Liteway 6 Liteway 8 Rascal Partner Micro Balance 355 / 355XL Ultralite 480 Rascal 600T taxi 3/4 Rascal Eco Four Rascal 329LE Freerider Mayfair Rascal Mobility Scooters Model List: A comprehensive collection of Rascal mobility scooters, including Kensington Westminster Mini Ranger Land Ranger S Landranger XL8 FR1 City Ranger 6 City Ranger 8 Luggie Invacare Comet Leo Colibre Orion Lynx taurus Solar Auriga Meteor Electra TGA Supersport Vita 3 Vita 4 Vita Sport Vita X Vita Lite Vita Midi Breeze S3 Breeze S4 Breeze Midi Entice 3 Entice 4 Galaxy Plus 3 Galaxy plus 4 Excel Galaxy 3 Excel Galaxy 4 Excel Excite 3 Excel Exite 4 Bolt Zoom Drive Medical Prism3 Prism 4 Kite 3 Kite 4 Neo 4 Neo 6 Neo 8 Regatta 8 Regatta 6 Sport Rider Royale 3 Royale 4 Envoy 4 Envoy 6 Envoy 8 King Cobra Cobra Ambassador Mercury M48GT Scout Aviator Apollo Travelease Rio Range Days Healthcare Strider ST1 Strider ST2 Strider ST3 Strider ST4 Strider ST5 Strider ST6 MD3 & MD4 Micro 3/4 Strider MX 3 & MX4 Days Chianti Days Barolo Merits S331-S341sS345-S345 Kymco Micro 3s/4s Micro 3s-4s Mini 3-4 Midi Midi XL Midi 4U Mini s For U Super 6 Super 8 Maxi 4U MaxiL Maxi XLS Maxer Agility Klite Monarch Mobi CTM HS-570,HS-580 HS-665,HS666 HS730-740 Landlex One Rehab Broadway S300 /S400 Aerolite Plus Komfi-Rider 4000-6000 Pharmore Wizzard Series 2. If your model is not listed, you can request a manual by emailing the company. They will also add it to their list for future reference. The company appreciates feedback and encourages users to let them know if they find their free download service helpful. For frequently asked questions and tips about Rascal Mobility Scooters, refer to the bottom of the page. Is your model not on the list? Please contact us. Product defective? No solution found in the manual? Visit a Repair Café for free repair services. For more information, visit Electric Mobility Euro Ltd's website at www.electricmobility.co.uk. With proper care, this scooter should serve you well for many years and provide the freedom and independence you desire. Please thoroughly read this manual before using the scooter, as it contains essential safety, operation, and maintenance information. If you have any doubts or concerns about warnings or instructions, consult your dealer for guidance. Remember to always prioritize your safety and the safety of others by carefully reading and understanding the important safety notices contained in this manual. Ignoring them may put you or others at risk. If you're unsure about controlling your scooter safely, don't operate it. Similarly, if you suspect any damage, refrain from driving and consult your dealer for advice. Keep this owner's manual in a safe place as it contains vital information for the proper operation, maintenance, and servicing of your Rascal Vision Scooter. Important notice: This publication is subject to change without notice, and Electric Mobility Euro Ltd. assumes no responsibility for errors or omissions. The Rascal Vision scooter is designed for adults with disabilities who need a reliable, comfortable ride for daily activities like shopping. With a top speed of 8mph, it's suitable for use on public roads, pavements, and other hard surfaces. However, users should ensure they can operate the scooter safely, taking into account their manual dexterity, sight, and hearing. If unsure, consult a healthcare professional or your nearest dealer for advice. Some important safety notes: * The Rascal Vision scooter is not designed for use on slippery surfaces like grass. * Dealers will advise on the most suitable vehicle from Electric Mobility's range. * Users should regularly assess their ability to operate their vehicle safely. * Important safety notices are marked with a symbol. Make sure you understand these before using your scooter. Remember, operating a scooter can be dangerous if not done properly. Always follow safety guidelines and consider your physical limitations when using the Rascal Vision scooter. Warning: Don't exceed specs; modify or use this scooter differently at your own risk! Important passenger & child safety alert: never carry them on this vehicle. Caution: electromagnetic interference might affect rideability: * Refrain from using devices like CB radios or mobile phones while the scooter is turned on. * Avoid getting close to transmitter masts, such as TV and radio stations. If your scooter starts operating by itself, switch it off immediately & report the issue to your dealer. Note: Operating this scooter might affect sensitive electronic circuits, like alarm systems or ambient temperature ranges. Don't use it in extreme temperatures outside the recommended range. Pre-Ride Checks: * Ensure the freewheel lever is engaged before getting on. * Always check for damage, especially factors affecting performance. * Verify your feet are securely on the footrests before turning on the scooter. * Avoid using armrests as a support for your entire weight when entering or exiting the vehicle. Additional Safety Precautions: * Be cautious of entanglement hazards from loose clothing or items carried on the scooter. * Check the battery level indicator before driving off, ensuring full charges if unsure. * Be aware that initial movement might be partially sideways if you set off with uneven front wheels. * Unless in an emergency, avoid switching power off while moving; this could cause sudden stops. Steep Slopes and Hazardous Conditions: * Avoid crossing steep slopes whenever possible. If necessary, exercise great care to prevent tipping. * Never make sharp turns on slopes or drive on slippery/icy surfaces. * Consider alternative routes if you're not comfortable with hill gradients. If you gotta climb or descend low kerbs, tackle 'em straight on. Check out “Driving Your Vehicle” – Hazards for more tips. Warning! Speed. Don't floor it while turning, or you might end up with a scooter full of problems. Always ease off the gas when turning and keep an eye out for pedestrians. Don't wanna run into anyone, right? Warning! Stopping. If you gotta slam on the brakes while turning, that's gonna cause some trouble. Try to avoid braking hard when turning. Take it slow and steady, yeah? Warning! Reversing. Be super careful when backing up, or you might put someone in harm's way. Keep a safe distance, or… Well, you get the idea. Warning! Leaning Over. Don't lean too far, or that scooter's gonna topple over on ya. Warning! Escalators. No way are you supposed to take your scooter onto an escalator – that's just asking for trouble. You don't wanna end up in the hospital, trust me. Warning! Roads. In the UK, Mobility scooters aren't allowed on dual carriageways without a special warning light, and absolutely not on motorways. Check out the Highway code for more deets. Warning! Driving in Poor Visibility. Your scooter's kinda hard to see, so always turn on your lights when it's foggy or dark out. Wear a high-vis jacket too, just to be safe. Warning! Carrying Items. Don't strap anything to the handlebars or controls – that'll mess with your driving skills big time. Warning! Hot Surfaces. If you leave your scooter out in the sun, some parts might get super hot. Park it in the shade instead. Warning! Seats in Vehicles. This scooter's not meant for sitting passengers in a car, so don't even think about it. Page 88 Rascal Vision Scooter Owner's Manual and Service Record Before driving, make sure you know what all the controls do – read the rest of this manual before hitting the road! The scooter's speed is adjustable, with a slowest setting marked by a tortoise on the left and a maximum speed marked by a hare on the right. Set your desired speed before moving off. Never adjust the speed control while in motion. **Power On Indicator**: When you turn the ignition key to "on," the LCD panel will light up. If a wrench symbol and a number appear, it might indicate a problem. Check the "Scooter Diagnostic Functions" section for more information. **Horn**: Press the horn button, and it'll sound when power is on; release it to stop. Don't leave the ignition on when not in use, especially when charging (Fig 1). You may need to press the key gently to turn it. **Finger Control**: To start moving forward, turn the ignition on, pull the right handlebar towards you, and speed up by pulling further. Reverse by pulling the left lever. Don't operate both levers simultaneously. Note: Controls can be adjusted for left-handed users; contact your local dealer for details. **Lighting Control**: Turn on the front and rear lighting by pressing the switch once; turn it off by pressing again. **Hazard Lights**: In emergencies or breakdowns, engage the hazard lights by pressing the button once (all indicators will flash together); press again to disable. 11. Right Turn Indicator: Press once to start flashing and again to stop. 12. Battery Cut-Out: If activated due to electrical overload, press the button under the front edge of the seat to reset. Seek dealer advice if it activates twice. 13. Hour Meter: Records total scooter run time from new, but cannot be reset by user. 14. Indicator Lights/ LEDs: Along the dashboard, lights indicate active functions. 15. Temperature Indicator: Displays current ambient temperature in degrees Celsius. 16. Charging Point: Located on the left side of the tiller, follow charging instructions for further guidance. When adjusting the armrests on your scooter, you can adjust each one to the desired height by loosening the locking knobs and raising or lowering them before tightening back into place. To change the seat back angle, gently push against it and pull the lever to unlock it, then release the lever when you're done. If you want to fold the seat for storage, use the same lever while standing next to the scooter with one hand on the seat-back and grip the lever firmly, taking care not to be caught off guard as the seat back will release. Before driving your scooter, ensure that the tiller is securely in its upright position by rotating the knurled knob anti-clockwise until the retaining mechanism engages, then rotate it clockwise to lock into place. When getting in or out of your scooter, make sure you're on a level surface and the brakes are engaged. It's also essential to have the ignition key turned off and all adjustments like handlebar/tiller and seat settings tightened properly. Approach from the side and step onto the footrest area with one armrest raised for easier access. Before stepping out of the scooter, ensure it's on a level surface and the power key is switched off. If you're unsure about dismounting, seek help. Adjust the handlebar/tiller so the front wheels face directly forward. Elevate one armrest and stand up using it for support if needed (don't rely fully on armrests). You can also swivel the seat to make getting on/off easier; refer to the "Swivel Seat" section. Before use, ensure: * The battery is fully charged (indicated by all lit segments) * No signs of damage or loose parts * All accessories are securely attached * You're capable of controlling the scooter at all times When encountering kerbs or obstacles: approach head-on. Avoid using the scooter in bad weather; wear suitable clothing and consider a high-visibility jacket if necessary. Before setting out, check the weather forecast and ensure you're wearing proper attire (Page 14). Range limitations: never exceed your scooter's range (Page 15). If taking medication, consult your doctor to confirm you can operate the vehicle safely. Only use it for its intended purpose; avoid water or slippery surfaces. Note: Never simultaneously push/pull both paddles, as this may damage your scooter (Page 16). When not in use: * Switch off the power (On/Off key) to conserve batteries and prevent accidental movement * If left on for an extended period, the scooter will enter sleep mode; reactivate by turning the On/Off key to "Off" then "On" 1. Getting on/off: ensure the vehicle is on before mounting/dismounting 1. **Starting and Stopping**: Make sure your scooter is on level ground in freewheel mode and the armrests are secure. When stopping, turn off the ignition, remove the key, and exit in a safe area. 2. **Tiller Position**: Drive with the tiller at an upright position that feels comfortable for you, allowing the controls to be easily reachable. 3. **Avoiding Obstacles**: Try not to ride up or down kerbs or any obstacles higher than specified. Instead, use ramps when possible and always tackle such areas head-on. Avoid crossing slopes unless necessary; if so, proceed with caution to avoid tipping. 4. **Hills & Slopes**: - **Going Up Hill**: Lean forward while going uphill. Ensure you have enough speed for the slope and do not stop or turn around. - **Going Down Hill**: Lean back in your seat when descending, and use low speed control. Avoid crossing slopes; always drive straight up or down. 5. **Terrain**: Do not drive on deep, soft, or slippery terrain like sand, loose gravel, or rutted ground. Instead, stick to well-prepared surfaces to avoid getting stuck. 6. **Turning**: Always slow down before turning and be aware of blind corners where necessary; sound your horn if you encounter a blind corner. Be cautious during tight turns as the scooter may lose power temporarily. rutted terrain. Do not exceed the maximum safe slope recorded in Technical Specifications. Practice turning Circle to judge scooter maneuverability. Bad Weather: Stay home if it's snowing or icy. Remember ice, snow, and slippery surfaces. Tyres: Pneumatic tyres are fitted. Replace damaged ones. Pavements: Illegal to drive over 4 m.p.h. Do not enter Shower Rooms or Washing areas. Never take scooter into steam room. Dismantling involves lifting heavy parts. Warning! Pinching or Crushing risk: Be careful. Weight for each component shown in Technical Specification. This scooter is not a motor vehicle seat. Do not stand it up on its ends or sides. Removing components requires caution. Seat removal: Fold seat-back flat, grasp, and lift away from frame. Tiller folding: Loosen thumb-wheel, then re-tighten when parallel to chassis. Charging socket located on upper left-hand side of tiller. Make sure to safely charge the vehicle's batteries. To start, push in the plug once connected. After charging, remove the plug and replace the protective cover to keep water out (refer to Fig 20). The battery charger has coloured lights that indicate the charge status. When plugged in and switched on, the first light will turn red if there is no mains power. If the second light turns orange while charging and then green, it means the batteries are fully charged. Always verify the light is green before switching off and disconnecting the charger. Upon receiving your vehicle, ensure you fully charge the batteries, preferably overnight. When using a battery charger: 1. Place your machine in a dry, well-ventilated area with an accessible power outlet nearby. 2. Ensure the vehicle's engine is turned off, and the key removed. 3. Never charge batteries near open flames or in areas where smoke is present, as gases from fully charged batteries could ignite and cause explosions if damaged. Additionally: * Do not attempt to charge the scooter outside, as the charger may get wet. * If you're unsure about the protection of your charging location's mains socket, consider purchasing a residual current device (RCD) or consult an electrician for verification. * Never use a battery charger other than the one provided by your dealer, as improper usage could lead to damage or injury. When handling batteries: * Be cautious not to allow damaged or frozen batteries to overheat during charging. In extreme cases, overheating can cause explosions. * Do not attempt to open the battery box/enclosure, as it may contain components that require specialized skills to service. If you're unsure about battery handling, consult a qualified technician. connect or disconnect the charger from the scooter while it is still connected to the mains. - Remove the charger plug from the wall socket having first switched off the main switch if available. check the main switch is off. never connect or disconnect the charger from the scooter with the mains on. the lamp will illuminate red when charging, then orange as it charges. the tip: if the charger lamp flashes red then there is a fault - contact your dealer for advice switch off the mains and remove the plug from the battery once fully charged. do not leave the battery for extended periods without charging. after using your vehicle always charge it before retiring to avoid discharge. if you have not used your vehicle for an extended period, place it on charge one a week at night. if the batteries are flat for long time (two months) contact your dealer for assistance do not leave the vehicle outside in the rain as this may damage the charger and shorten battery life. also do not partially charge the battery. allow the charger to complete its cycle. avoid storing your scooter in cold or damp places to prolong battery life Warning! never disconnect a battery or charger while it is connected to the mains Warning! if one or both batteries are damaged they could heat up when charging and potentially cause severe damage your batteries are built into the vehicle and are not user-serviceable contact your dealer for replacement before use always check that you have carried out the following checks: visually inspect machine for damage. tyres for damage. steering. tiller wheel. seat location. armrests. the battery should be fully charged. check all lighting functions including indicators, brake lights, sidelights and front lights keep your vehicle clean using a damp cloth and soapy water but never use a hose or jet wash. for disposal of scooter contact your dealer for advice as they are aware of environmental regulations. Regular maintenance is crucial for the longevity of your vehicle. We recommend servicing it twice a year. Always ensure that the engineer stamps the Service Log upon completion and keep all receipts with this handbook, as they may increase the vehicle's value if you decide to sell. When your vehicle is due for its annual service, report any concerns you have beforehand (see below). Upon completion of the service, thoroughly test the vehicle before the engineer leaves to ensure satisfaction with the work done. Points to look out for: * Unusual noises or movements from the wheels * Battery charge issues or loose connections * Loose steering or play in the system * Effective braking or signs of wear * Damage to spigots or parts related to disassembly * Any signs of damage, corrosion, or cracking If you notice anything unusual, stop using the vehicle and contact your dealer immediately. Displayed on page 22 is a guide to common faults and corrective actions. Tips: * If in doubt, switch off and back on again – if this doesn't cure the fault, contact your dealer. * Your dealer is there to help – don't hesitate to reach out if you're unsure about any issue. Tips for Troubleshooting Issues with Your Scooter: • Steering feels loose or wobbly when driving. • Vehicle behaves erratically or makes strange noises. Solution Steps: 1. Check battery level and ensure charger is connected. 2. Verify Freewheel mode is not engaged while the scooter is on. 3. Inspect tires for damage or punctures, and check steering condition. 4. Rule out electronic problems by consulting a dealer. 5. Test vehicle movement in Freewheel mode. Safety Precautions: • Avoid attaching items to handlebars or using floor area to carry things. • Be aware that unauthorized modifications can cause injury or permanent damage. • Only use approved products and accessories, and consult the user manual for guidelines. • Remember that this product is designed for single-person use only. • Conduct a thorough inspection of the scooter, including checking for damage, corrosion, and wear on various components such as cables, lighting, steering bearing, tiller adjustment, and seat mechanisms. • Verify that all assembly spigots and hooks are secure, and the seat mounting is undamaged. • Ensure that the handlebar alignment is correct and the motor and gearbox function smoothly without unusual noise or vibration. • Check the electromagnetic brake operation to ensure proper engagement when releasing the hand control and pushing the scooter in freewheel mode. • Inspect the emergency hydraulic brake system to verify that the lever operates both pads, and that there are no oil leaks or damage to the discs or pads. • Perform a test ride on rough terrain to check for freewheel operation and ensure the vehicle is roadworthy. • Clean the scooter thoroughly before presenting it to the customer.